Sprint Review 4

Sprint 1 (3/15/2021 – 3/26/2021)

Team #4

Scrum Master: Julia VanLandingham

Product Owner: Connor May

Developers: Chris Geidans and Kaitlin Dosch

Goal:

This sprint our goal was to get meaningful data from the Extensometer and to cut down on the noise from the Extensometer. In addition to that we wanted to add Error Handling functionality to the GUI

Stories Completed:

- Update Conversions to take the best default units.
- Add baseline units for each unit system.
- Reset menu option.
- Restart button
- Error handling on start button.
- Fixed conversion tests and methods.
- Do not allow reset while pulling data.
- More error handling.
- Research algorithms for identifying critical values.
- Do not let user change settings or input values while pulling data.

Stories Not Completed:

Ability to convert voltage readings to elongation and force. We worked on completing this card but the voltage data from the Extensometer is too noisy and we are trying to get a better signal from it. Create a way to pull data from the chip live was very close but ran into extensive errors and problems late in the sprint.

Client Feedback

Dr. Hudoba expressed overall excitement for the GUI's current functionality. He gave his opinion on retaining values when switching between circular and rectangular specimens. We talked about error handling and adding measures to prevent loss of data accidentally. In addition, a request was made to investigate adding markings on the graph to denote critical points.